



**PATIENT PRESENTING CLINICAL SIGNS**

Murphy Hanna cluster seizures (3x) over 12 hours yesterday two weeks ago, was hospitalized in ICU (reason for presentation: tongue swollen). Developed hypernatremia (176mmol/L) during hospitalization. Normal neuro exam at that moment

**SPECIES** Abnormal PE/Chem/CBC/UA Results: CBC and biochemistry WNL

Canine **MAGNETIC RESONANCE IMAGING OF THE SKULL**

**BREED** T2 weighted, FLAIR, diffusion weighted, T1 pre- and post-gadolinium sequence in multiple imaging planes are provided for review.

Irish Wolfhound **MAGNETIC RESONANCE IMAGING FINDINGS**

**SEX** Level with the interthalamic adhesion, the brain parenchyma of the diencephalon presents a T2 and FLAIR hyperintense signal as well as a small hyperintense region along the internal capsule of the parietal lobe bilaterally. Post contrast administration, no contrast enhancement of the T2&FLAIR hyperintense regions is appreciated. In T1 weighted images no alterations of the signal behavior of the brain are appreciated.

**AGE** The ventricular system presents the expected dimensions, morphology and the CSF signal is within normal limits in all sequences.

3 The right temporal musculature presents a T2 hyperintense, mild contrast enhancing lesion at the proximomedial aspect of the coronoid process of the right mandible.

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

The tympanic bullae are aerated, and the bony lining is thin.

Surrounding soft tissue structures in the head region are within normal limits.

**HOSPITAL NAME MAGNETIC RESONANCE IMAGING DIAGNOSIS**

Animal Health  
Partners

- Bilateral symmetric T2&FLAIR hyperintense lesion diencephalon and internal capsule
- Mild myositis right temporal muscle

**REFERRING VET INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Dr. Edouard Marchal

The MR study is supporting the diagnosis of metabolic/toxic encephalopathy. The distribution of the symmetric hyperintense lesions is not specific for a distinct entity. Consider complementing blood work by Thiamine and B12 values. Rule out any drug induced toxicity as well (e.g. metronidazole) – history of swelling of the tongue.

**INVOICE**

51428

The myositis might be a sequela to seizure activity.

**DATE**

4-9-22



**PATIENT**

Murphy Hanna

**SPECIES**

Canine

**BREED**

Irish Wolfhound

**SEX**

MN

**AGE**

3

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**REFERRING VET**

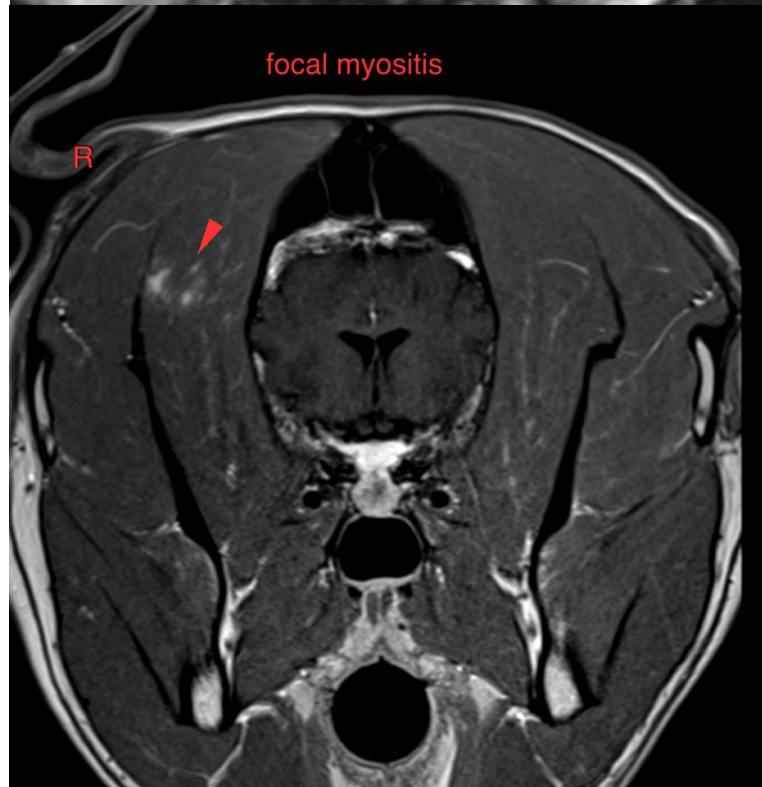
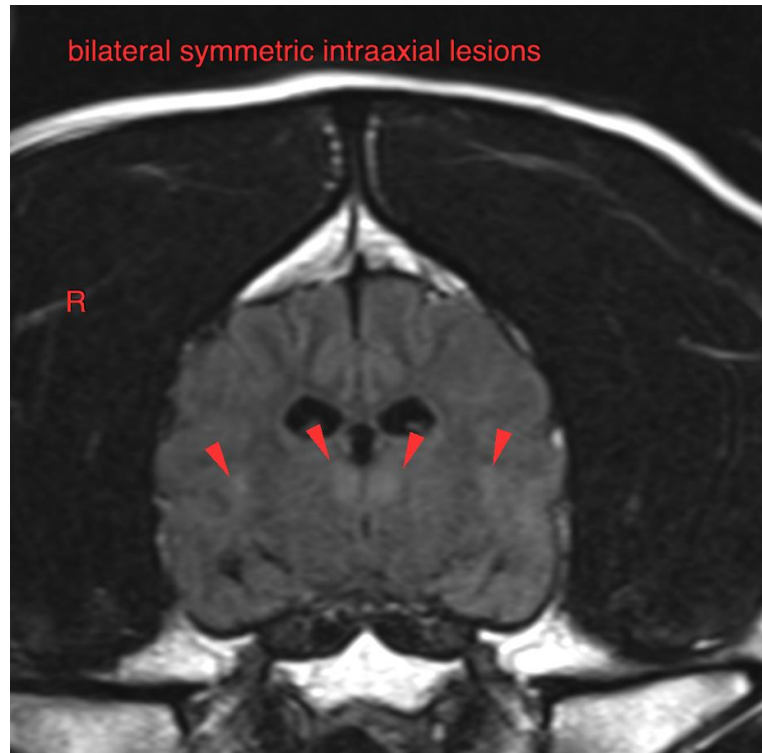
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**PATIENT**

Murphy Hanna

**SPECIES**

Canine

The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

**BREED**

Irish Wolfhound

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

**Sebastian Schaub**, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI  
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**SEX**

MN

**AGE**

3

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